



Attorney Docket No.: 40296-0048

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:

Confirmation No.: 1788

Seon Yong CHA

Application No.: 10/734,294

Art Unit: 2826

Filed: December 15, 2003

Examiner: Thomas L. Dickey

For: MAGNETORESISTIVE RANDOM ACCESS MEMORY, AND MANUFACTURING METHOD THEREOF

Certificate
AUG 30 2006
of Correction

REQUEST FOR CERTIFICATE OF CORRECTION
PURSUANT TO 37 C.F.R. § 1.323

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

08/29/2006 MAHMED2 00000011 7095069
01 FC:1811 100.00 OP

Dear Sir:

Applicant hereby requests a Certificate of Correction, pursuant to 37 C.F.R. §1.323, to include Assignee, Hynix Semiconductor Inc. Attached is a copy of the Notice of Recordation of Assignment Document in the above-referenced matter and Form PTO/SB/44, which reflects the changes listed below:

On the Title Page of the Patent under (73) Assignee, please insert
--Hynix Semiconductor Inc.--

The required filing fee under §1.20(a) is enclosed. Applicant believes the appropriate filing fee is enclosed, however, the Commissioner is hereby authorized to charge any deficiency or to credit any overpayment to Deposit Account No. 08-1641.

AUG 30 2006

Please send the Certificate of Correction to:

Heller Ehrman LLP
1717 Rhode Island Avenue, NW
Washington, DC 20036

Applicant requests a print copy of the correction cover page to Patent No.

7,095,069.

Respectfully submitted,

Date: 8/25/06

HELLER EHRMAN LLP
1717 Rhode Island Avenue
Washington, DC 20036
Telephone: (202) 912-2000
Facsimile: (202) 912-2020

By Johnny A. Kumar

Johnny A. Kumar
Attorney for Applicant
Registration No. 34,649
Customer No. 26633

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : 7,095,069

DATED : August 22, 2006

INVENTOR(S) : Seon Yong Cha

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

On the Title Page of the Patent, include (73) Assignee, and insert --Hynix Semiconductor Inc.--

MAILING ADDRESS OF SENDER: Heller Ehrman LLP
1717 Rhode Island Avenue, NW
Washington, D.C. 20036

PATENT NO. 7,095,069

Not a final copy

AUG 30 2006

CPPE
AUG 25 2006
PATENT & TRADEMARKS

COMBINED FEE TRANSMITTAL
for FY 2006

Effective 12/08/2004. Patent fees are subject to annual revision.

PTO/SB/1572-04 (Revised) (For payment of 37 CFR 1.17 fees including (f), (g), (h), & (i))

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

\$ 100.00

Complete Known

Application Number

10/734,294

Filing Date

December 15, 2003

First Named Inventor

Seon Yong CHA

Examiner Name

Thomas L. Dickey

Art Unit

2826

Attorney Docket No.

40296-0048

METHOD OF PAYMENT (check one)

☒ Check

☐ Credit card

☐ Money Order

☐ Other

☐ None

☐ Deposit Account

Deposit Account Number:

08-1641

Deposit Account Name:

Heller Ehrman LLP

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below

☒ Credit any overpayments and charge any deficiencies

☐ Charge any additional fee(s) during the pendency of this application

☐ Charge fee(s) indicated below, except for the filing fee to the deposit account

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Applicati on Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Entity Fee (\$)	Small Entity Fee (\$)	Entity Fee (\$)	Small Entity Fee (\$)	Entity Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	135	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	
SUBTOTAL (1)							

2. EXTRA CLAIM FEES

Entity Fee (\$)	Small Entity Fee (\$)	Fee Description
50	25	Each claim in excess of 20 or, for Reissues, each claim in excess of 20 and more than in the original patent
200	100	Each Independent claim in excess of 3 or, for Reissues, each independent claim more than in the original patent
360	180	Multiple dependent claim, if not already paid

Total Claims

-20** =

x

25

=

Independen
t Claims

-3** =

x

100

=

**or number previously paid, if greater: For Reissues see below

Multiple Dependent

180

=

SUBTOTAL (2)

\$

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof (round up to the whole number). See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s)

Total Sheets	Extra Sheets	Number of each additional 50	Fee (\$)	Small Entity Fee (\$)
	-100 =	/50 =	x 250	OR x 125
SUBTOTAL (3)				\$

FEE CALCULATION (continued)

4. PETITION FEES UNDER 37 CFR 1.17 (f)

Fee Code: 1462 Fee \$ 400 For petitions filed under:
§ 1.53(e); § 1.57(a); § 1.182; § 1.183; § 1.378(e); § 1.741(b)

5. PETITION FEES UNDER 37 CFR 1.17 (g)

Fee Code: 1463 Fee \$ 200 For petitions filed under:
§ 1.12; § 1.14; § 1.47; § 1.59; § 1.103(a); § 1.136(b); § 1.295; § 1.296; § 1.377; § 1.550(c); § 1.956; § 5.12; § 5.15; § 5.25

6. PETITION FEES UNDER 37 CFR 1.17 (h)

Fee Code: 1464 Fee \$ 130 For petitions filed under:
§ 1.19(g); § 1.84; § 1.91; § 1.102(d); § 1.138(c); § 1.313; § 1.314

7. PROCESSING FEES UNDER 37 CFR 1.17 (i)

Fee Code: 1808 (1803 for § 1.221) Fee \$ 130 For petitions filed under:
§ 1.28(c)(3); § 1.41; § 1.48; § 1.52(d); § 1.53(b)(3); § 1.55; § 1.99(e); § 1.103(b); § 1.103(c); § 1.103(d); § 1.217; § 1.221; § 1.291(c)(5); § 1.497(d); § 3.81

8. OTHER FEES

Entity Fee (\$)	Entity Fee (\$)	Fee Description	Fee Paid
130	65	Surcharge - late filing fee or oath	
50	25	Surcharge - late provisional filing fee or cover sheet	
130	130	Non-English specification	
2,520	2,520	For filing a request for <i>ex parte</i> reexamination	
920*	920*	Requesting publication of SIR prior to Examiner action	
1,840*	1,840*	Requesting publication of SIR after Examiner action	
120	60	Extension for reply within first month	
450	225	Extension for reply within second month	
1,020	510	Extension for reply within third month	
1,590	795	Extension for reply within fourth month	
2,160	1,080	Extension for reply within fifth month	
500	250	Filing a brief in support of an appeal	
790	395	Filing a submission after final rejection (37 CFR 1.129(a))	
1,510	1,510	Petition to institute a public use proceeding	
500	250	Petition to revive - unavoidably abandoned application	
1,500	750	Petition to revive - unintentionally abandoned application	
50	50	Processing fee for provisional apps (37 CFR 1.17(q))	
180	180	Submission of Information Disclosure Statement	
1,000	500	Request for oral hearing	
790	395	For each additional invention to be examined (37 CFR 1.129(b))	
790	395	Request for Continued Examination (RCE)	
900	900	Request for expedited examination of a design application	
Other fee (specify)Certificate of Correction			100
SUBTOTAL (4+5+6+7+8)			\$ 100.00
* Reduced by Basic Filing Fee Paid			

SUBMITTED BY

Name
(Print/Type)

Johnny A. Kumar

Registration No.
(Attorney/Agent)

34,649

Telephone

202-912-2000

Signature

Johnny A. Kumar

Date

8/25/06

Customer No.

26633

Complete (if applicable)

ATTN: 30 2006



UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

PTAS

HELLER EHRMAN WHITE & MCAULIFFE
JOHNNY A. KUMAR
1666 K STREET, N.W.
SUITE 300
WASHINGTON, DC 20006



102629638A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/15/2003

REEL/FRAME: 014809/0067
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

CHA, SEON YONG

DOC DATE: 12/02/2003

ASSIGNEE:

HYNIX SEMICONDUCTOR INC.
SAN 136-1, AMI-RI, BUBAL-EUP
ICHEON-SI, GYEONGGI-DO 467-701

REPUBLIC OF KOREA

SERIAL NUMBER: 10734294

FILING DATE: 12/15/2003

PATENT NUMBER:

ISSUE DATE: 8 -

TITLE: MAGNETORESISTIVE RANDOM ACCESS MEMORY, AND MANUFACTURING METHOD

MINISTRE OF

1409106301106

זיין יחיד

1/10/1911

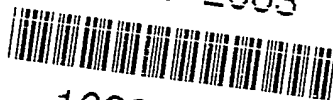
100-44167-DC, Office

014809/0067 PAGE 2

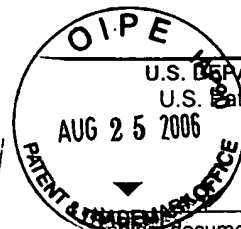
TARA WASHINGTON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

RECORDED

12-23-2003



102629638



Tab settings → → →

To the Honorable Commissioner of Patents and Trademarks: Please receive

For original documents or copy thereof

1. Name of conveying party(ies):

Seon Yong CHA

12.15.03

Additional name of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: Hynix Semiconductor Inc.

Internal

Street Address: San 136-1, Ami-ri, Bubal-eup,

Icheon-si, Gyeonggi-do 467-701, KOREA

City: State: Zip:

Additional Name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Execution Dates: December 2, 2003

4. Application number(s) or patent number(s):

10734294

If this document is being filed together with a new application, the execution data of the application is: December 15, 2003

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning this document should be mailed:

Name: Johnny A. Kumar

Internal Address: Heller Ehrman White & McAuliffe

Street Address: 1666 K Street, N.W.

Suite 300

City: Washington

State: D.C.

Zip: 20006

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)\$ 40.00

☒ Enclosed

☐ Authorized to be charged to deposit account

8. Deposit account number:

08-1641

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

CUSTOMER NO. 26633

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Johnny A. Kumar

Name of Person Signing

Johnny A. Kumar
Signature

12/15/03
Date

Total number of pages including cover sheet, attachments, and documents: 3

ASSIGNMENT AND AGREEMENT

WHEREAS, [Seon Yong CHA] (hereinafter referred to singly and collectively as "ASSIGNOR") have invented a certain invention entitled **[MAGNETORESISTIVE RANDOM ACCESS MEMORY, AND MANUFACTURING METHOD THEREOF]** for which an application for United States Letters Patent is filed concurrently herewith;

WHEREAS, [Hynix Semiconductor Inc.], having its principal place of business at **[San 136-1, Ami-ri, Bubal-eup, Icheon-si, Gyeonggi-do 467-701, Korea]** (hereinafter referred to as "ASSIGNEE") is desirous of acquiring the entire interest therein;

NOW THEREFORE, in view of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto ASSIGNEE, its successors and assigns, the full and exclusive right, title, and interest in and to (a) the above-identified invention or inventions and all improvements and modifications thereof, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for the above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representatives or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of **Heller Ehrman White & McAuliffe** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of **Heller Ehrman White & McAuliffe** do not personally represent ASSIGNOR or ASSIGNOR's legal interests; but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

NAMES AND SIGNATURES OF INVENTORS		
Name: Seon Yong CHA	Signature: <i>Seon Yong Cha</i>	Date: <i>Dec. 2, 2003</i>
Name:	Signature:	Date:
Name:	Signature:	Date:
NAMES AND SIGNATURES OF WITNESSES		
Name: Hai Shin YOON	Signature: <i>H.S. Yoon</i>	Date: <i>Dec. 2, 2003</i>
Name:	Signature:	Date:
Name:	Signature:	Date: